

OIEP

## RAW SEQUENCE LISTING

DATE: 10/01/2001

PATENT APPLICATION: US/09/733,607

TIME: 15:13:44

Input Set : A:\NI4447.txt

Output Set: N:\CRF3\10012001\I733607.raw

4 <110> APPLICANT: Tononi, Giulio  
5 Cirelli, Chiara  
6 Shaw, Paul J.  
7 Greenspan, Ralph J.  
9 <120> TITLE OF INVENTION: Vigilance Nucleic Acids and Related  
10 Diagnostic, Screening and Therapeutic Methods  
13 <130> FILE REFERENCE: P-NI 4447  
15 <140> CURRENT APPLICATION NUMBER: US 09/733,607  
C--> 16 <141> CURRENT FILING DATE: 2001-09-10  
18 <150> PRIOR APPLICATION NUMBER: US 09/456,785  
19 <151> PRIOR FILING DATE: 1999-12-08  
21 <160> NUMBER OF SEQ ID NOS: 27  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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26 <211> LENGTH: 317  
27 <212> TYPE: DNA  
28 <213> ORGANISM: Drosophila  
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32 ttgaatctgc ctaactgctg tcttgcaggg ctgtaggctt cgggtccaaa ttaagtctac 120  
33 agtctctgcg attccgggca gttgaaatga tgcaagatga gaggtcagc ccataacact 180  
34 taacgctttg tgcacgctac aatttagtac ccgacattcc ttgagagcta gacggcacca 240  
35 gacgtcccaa cttaccaa atattcttita tgctctatct atatgtatgt cgcatactta 300  
36 gtttatgcta gttgtag 317  
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39 <211> LENGTH: 356  
40 <212> TYPE: DNA  
41 <213> ORGANISM: Drosophila  
43 <400> SEQUENCE: 2  
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45 tatttctgcg gactcctgta attcatcctg tcgtctgctt tccattatta cacgttctca 120  
46 acgtcacaaa gattgcttca aaccgatctg tctctatccc gcatctgctt gcccgggtat 180  
47 cgttttgata tgtgaatgcc ttacacgata cacgcttttg aaagabccsc ccagtccaac 240  
48 ccgaatcccg ccacggccct tttttccacc aatctcgcaa gatgccttgc tcgttttgta 300  
49 aatagctttt yygaagacgr aagatcaaga caaatcaaat caaatcgatc caattt 356  
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52 <211> LENGTH: 393  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Drosophila  
56 <400> SEQUENCE: 3  
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58 tgctaatggg catcgacttt gctggcgtcg tgatgggctg gaagttcttc gatcacgcag 120  
59 cscatttggg cggcgcatgt ttggcatctt ttgggccacg tatggggcac agatatgggc 180  
60 aaagcgcatt ggtctactga attactacca tgacctgcgc cggacgaagc agaaatagta 240  
61 caggaggctt ggggattcgc caagtgaacg gacggggagc tgaggcaata gagcggctrr 300  
62 ggtagcacta cgctgtgtca ataagagtga catcgttctg ccttagaagt tcattgaaat 360  
63 cagttaagtt gaataaatcg ttgacatcct gat 393

ENTERED

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67 <212> TYPE: DNA
68 <213> ORGANISM: Drosophila
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72 gttaagtaag gcaccacgac ttatattagc aacaactggt gtttcttggt ttttctcaca 120
73 attagaaaga aattgaaatg gaaactcatt tagatcatag gtttcttcct tattgacacg 180
74 atactcttct ttcgttttat ctattatctc ctctaaatac tcttttacat caacactatc 240
75 atcaattaaa ctagcaatct tcccattttt tacaataaag ttagtatgag gaggatccaa 300
76 agcataatca ttttaagttaa accaataaag caatgcttta aacaactttt cttcttcctt 360
77 ttccttagta acttgctggt tttttagggt cctcattaga aacctcagga ttttaagaatg 420
78 ttgaatcatc ccatgctata ggagaagaaa tcsatgatga tctactccaa gatagctgkg 480
79 attgatcmtc agtggattga ctgaa 505
81 <210> SEQ ID NO: 5
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84 <213> ORGANISM: Drosophila
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88 ctggcccagc ttccaggata cggacctctg agtccgggtt cgataccccc acaaccacaa 120
89 tcacgatcac gaagaagact ccggcgaaga taagcccaag gacaagtct 169
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92 <211> LENGTH: 291
93 <212> TYPE: DNA
94 <213> ORGANISM: Drosophila
96 <400> SEQUENCE: 6
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99 tgacgcgggc agaaacgtac gattccatta gacgttttgg acgcgcccac caaaaagcca 180
100 ggcaaaaggg aataccaggm aagggaaaaga gaacgtgaaa aagaggcgctc agcggtctct 240
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103 <210> SEQ ID NO: 7
104 <211> LENGTH: 267
105 <212> TYPE: DNA
106 <213> ORGANISM: Drosophila
108 <400> SEQUENCE: 7
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110 aataatgttg tccaattcc tgcgatatat gcgaatatat cggggaatcg gactgtattg 120
111 tattgatgag atatagaaga aagagagaga gagaggagcc agggagctgc gggtcgtgcg 180
112 gaggaggaga ataggtcgat gaggaatggg aacggcgaaa gagcaagaga taaaccacga 240
113 aatcatacgg aaaccactag agagcag 267
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 225
117 <212> TYPE: DNA
118 <213> ORGANISM: rattus
120 <400> SEQUENCE: 8
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122 tctacctcgc agctaaatcc ccagcccca gctcaactggt cttaaagggc tccaggagtc 120

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123 attttatata caaggggaact gaagcatgaa ggggttagatc acctgctcag gctccctaca 180
124 gcttgtcagt gattagcaaa ttactctgtc aggtttcctc aagta 225
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 219
128 <212> TYPE: DNA
129 <213> ORGANISM: rattus
131 <400> SEQUENCE: 9
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133 gttgtagaac aggtctggcct tggcactcag aaatccatca gcctttgcct cacaccactt 120
134 tgcaactgtc atctcttaaa tgcaaaattat attatttgct gaaatttaaa atattgtttt 180
135 gtgactacat tatgtggtgc tttgtatatg ctgccccca 219
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138 <211> LENGTH: 213
139 <212> TYPE: DNA
140 <213> ORGANISM: rattus
142 <400> SEQUENCE: 10
143 ttttccagtg ggagttataa ctcagcaatc tctttgtata ggagtgataa aaacaatcaa 60
144 atgttgtcaa gctagaacaa tgtacacaag aatttaattt gatgtcccat gaggggtatg 120
145 ttttctctat gctcaaccct tagaggcaat cagggtaaat taccaaatta ccaaattata 180
146 cgaaaagcca ggctagataa agattatatt ttc 213
148 <210> SEQ ID NO: 11
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150 <212> TYPE: DNA
151 <213> ORGANISM: rattus
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154 tagctactta aagttaaaaa tcactctaatt atttgtatca tagaaactca aaaaaaaaaa 60
155 gaaaatcaca gaaacataat caaatgggag aaggcaggag agaatggtct caacagattt 120
156 aagttggctg ttgggactga ggaggagagg acctgatgaa aagaccatgc tctggggaca 180
157 gggatacctt agattctctg tctac 205
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 154
161 <212> TYPE: DNA
162 <213> ORGANISM: rattus
164 <400> SEQUENCE: 12
165 aagttcagtt atacttttaa atggtttggt cgtgaatctt ctcttatggt cttcttaaga 60
166 aaattgcaa gttcatacga gttagacatt aagaaaataa taagaatatt gaggacgtgt 120
167 gttataggaa tgtaattttc caagcaacca gtac 154
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 167
171 <212> TYPE: DNA
172 <213> ORGANISM: rattus
174 <400> SEQUENCE: 13
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176 ttccatttgg aactgtgaat cttggcaaaag accaccctaa ctttgacttg ctaccaggc 120
177 actcaccttc tgtccttcta tctcttgtct tcaccttcag ctcaaga 167
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180 <211> LENGTH: 244
181 <212> TYPE: DNA
182 <213> ORGANISM: rattus

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184 <400> SEQUENCE: 14
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187 acaggctaga gcgatggctc aggggataag gcctgtatat aagccatgct cacacgtcac 180
188 agtgaataca tagctcaaat gactaaactg agtctaaatt actaaaggga agcagcattt 240
189 gtgc 244
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 263
193 <212> TYPE: DNA
194 <213> ORGANISM: rattus
196 <400> SEQUENCE: 15
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198 ctggcagtca tccaccttgg tcctcatgac tcctttcatg tactctttgt ccatgggtggg 120
199 cgaaacacca aagctgtttc ccatgcacag tattttctgct ttcccatctg gatacgtcac 180
200 ctccaccgaa ccattgagaa tcaactgacca ggaatccagc tcttctccat catttaacac 240
201 aatgggtcca gctctttcca cca 263
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 121
205 <212> TYPE: DNA
206 <213> ORGANISM: rattus
208 <400> SEQUENCE: 16
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210 aatgcaaatg tagaagggtg ccttgtagta ggtagttaag agccctctga atatacagcc 120
211 t 121
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 82
215 <212> TYPE: DNA
216 <213> ORGANISM: rattus
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220 tagatggctg cccaagaaat gc 82
222 <210> SEQ ID NO: 18
223 <211> LENGTH: 114
224 <212> TYPE: DNA
225 <213> ORGANISM: rattus
227 <400> SEQUENCE: 18
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229 ttaaggagtg agacccaaag taataaacct gtgattgtag catgcacaac tcag 114
231 <210> SEQ ID NO: 19
232 <211> LENGTH: 138
233 <212> TYPE: DNA
234 <213> ORGANISM: rattus
236 <400> SEQUENCE: 19
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238 tgtgcttcat ggtggtaaag ctgaccaag tcactgaaca caatattgca gccattcaac 120
239 tcacatttgt aacggagg 138
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 221
243 <212> TYPE: DNA

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244 <213> ORGANISM: rattus
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249 cagtcacatcat gtttttaaac ctccctgaaaa ttactgtatt ctcacatcat attttgaaa 180
250 gagctttaat aacaaaaaatt atcacatata tttctcagag a 221
252 <210> SEQ ID NO: 21
253 <211> LENGTH: 219
254 <212> TYPE: DNA
255 <213> ORGANISM: rattus
257 <400> SEQUENCE: 21
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259 gcaccagatc tcattacaga tggttgtgag cccaccatgt ggttgctggg aattgaactc 120
260 atgacctctg gaagagcaat tagtgctctt aaccactgag ccattctctc agccccacga 180
261 tgaggttctt aagagctgca accaagtggg ggacgataa 219
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266 <213> ORGANISM: rattus
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270 ggggtggaag gctatggaat gctgccttat agatacgaca tggctactgc agatgtgcat 120
271 tcacagtaac cacgattacc tacataatat caaggcagtc acattccagc atggataagg 180
272 gagaaggtca taagaagtat tgtcagtggg tagaa 215
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275 <211> LENGTH: 106
276 <212> TYPE: DNA
277 <213> ORGANISM: rattus
279 <400> SEQUENCE: 23
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281 tgtagtctgc tctgtcttag cgctatgac cgaattcacg aagggc 106
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284 <211> LENGTH: 154
285 <212> TYPE: DNA
286 <213> ORGANISM: rattus
288 <400> SEQUENCE: 24
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290 ttatgcagag taccattgtg gagatgcaaa tacagcccag gtattcggac agcaaagaca 120
291 aagtgttatt gtggttaaggc ctgagttatc aaaa 154
293 <210> SEQ ID NO: 25
294 <211> LENGTH: 337
295 <212> TYPE: DNA
296 <213> ORGANISM: rattus
298 <400> SEQUENCE: 25
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301 gctttctgga tggggaatga cttggctatg cctggscgca tgttggtgtg kgaactgttt 180
302 cctcgsgttc cctcggtttc tctctttgta graagtgcta agktttgtac ctcaaagcat 240
303 actaggtcat gtctctatac tatattccta aagggtccac agctacccta atctaccctg 300

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/733,607

DATE: 10/01/2001

TIME: 15:13:45

Input Set : A:\NI4447.txt

Output Set: N:\CRF3\10012001\I733607.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date